

The Wild Robot: Eco-Inventor Challenge

Design Solutions: Innovate for Nature

Embrace your inner problem solver, just like Roz! In this challenge, you'll identify an environmental issue in your local area and design an eco-friendly solution. Use your Ordnance Survey map to explore your surroundings and spark your creativity!

What You'll Need

- Ordnance Survey map of your local area
- Notebook and pencil
- Craft materials (e.g., cardboard, string, tape) for prototyping
- Camera or smartphone (optional, for documenting)

Eco-Invention Process

1. **Observe:** Use your OS map to explore and identify local environmental challenges
2. **Research:** Learn more about the issue you've chosen
3. **Brainstorm:** Come up with creative solutions
4. **Design:** Sketch your invention idea
5. **Prototype:** Create a model of your invention using craft materials
6. **Test:** Think about how your invention would work in the real world
7. **Refine:** Improve your design based on your test results



Your Eco-Inventor Mission

1. Study your OS map and choose an area to focus on (e.g., a local park, stream, or neighbourhood)
2. Visit the location and identify an environmental issue (e.g., litter, erosion, lack of wildlife habitats)
3. Brainstorm an eco-friendly invention to address the problem
4. Sketch your invention and label its parts
5. Create a prototype using available materials
6. Present your invention to family or friends, explaining how it would help
7. Mark the location where your invention would be used on your OS map

Roz's Invention Log

Document your invention process like Roz would! Include:

- Problem description
- Location (use OS grid references)
- Sketch of your invention
- Materials needed
- How it works
- Potential impact on the environment

Eco-Friendly Reminders

When inventing, consider using recycled materials. Always think about the environmental impact of your invention. Remember, sometimes the simplest solutions are the most effective!

